

VIDEOSCOUT®-GO

Rugged Handheld Processing, Exploitation, Dissemination (PED) Management System

VideoScout®-GO (VS-GO) is a handheld, next generation, Full-Motion Video (FMV) transceiver that provides expanded capabilities in the collection and management of Visual Intelligence (VI).

RUGGED, RELIABLE, REAL-TIME

VideoScout® is a family of video processing, exploitation, dissemination (PED), and management systems designed to capture, display, exploit, disseminate, and manage critical video intelligence from a variety of manned and unmanned sensors. VideoScout®-GO further expands the VideoScout® family of systems by providing users with an environmentally protected, handheld, video exploitation and management system that alleviates the need for additional equipment. Key to VS-GO's functional design is a fully integrated, night vision compliant, color display for real-time viewing and exploitation of Reconnaissance, Surveillance, and Target Acquisition (RSTA) and Intelligence, Surveillance, and Reconnaissance (ISR) data.

VS-GO's robust processing power provides superior management of both Standard Definition and High Definition information, which includes long-run Digital Video Recorder (DVR) controls over both live and archived video files. VS-GO comes with Insyte®-GO FMV software to enrich the user's Situational Awareness (SA). All video and imagery files archived are compliant with prescribed motion imagery protocols to ensure that information is both sharable and relevant to the mission.

With VS-GO, tactical end-users are now able to exploit live surveillance video from airborne, mobile, and fixed ground sensors, with greater control than ever before.

KEY FEATURES

- > UHF, L, S, C-Low, C-High, Ku-Low, and Ku-High band transceiver for video and metadata reception and retransmission
- > 4" sunlight-readable high-resolution display for immediate viewing of actionable intelligence with dual (day / night) mode backlight and touch screen
- > Support for analog & digital video waveforms with metadata processing for Situational Awareness
- > Video input and output ports for maximum interoperability with existing and future systems
- > Integrated DVR provides snapshots, clips, forward / rewind & pause for live and post-mission analysis
- > Compatible with both AN/PRC-148 and AN/PRC-152 batteries to simplify logistics and portability (hot swappable)
- > Lightweight and shaped to fit comfortably in one hand to minimize fatigue
- > Optional Integrated Type 1 encryption module



OPTIONAL ACCESSORIES

- > Rx and Tx Antennas
- > Battery
- > AC/DC Power Supply
- > Removable Type 1 Encryption Module
- > CCD Camera, IR Camera, Commercial GPS and Wi-Fi Attachment
- > M-Code GPS Receiver Attachment



SPECIFICATIONS

Functional	Interfaces
Texas Instruments Sitara™ ARM Processor	Key Fill (DS-101, DS-102)
32 GB Flash Memory	Receive and Transmit Antennas (TNC Male)
2 GB DDR3L RAM	Backpack
Removable Solid State Drive with up to 256 GB of storage	I/O
4" Sunlight readable, 480 x 800 pixel resolution display	Ethernet (10/100 Base-T)
Integrated touch screen with captive stylus	Headset (Microphone and Speaker)
13 back-lit function keys	Serial (RS-232)
4 status indicators	USB (2.0 Compatible)
UHF, L, S, C-Low, C-High, Ku-Low, and Ku-High band transceiver	Video Input (NTSC/PAL and HD-SDI)
Video Decoding/Encoding: H.264, H.265, MPEG-2, MPEG-4, M-JPEG	Video Output (NTSC/PAL and HDMI)
Physical	Battery Power
Size: 8" H x 3.25" W x 2.5" D, excluding optional accessories	External Power (6 - 34 VDC)
Weight: Less than 4 pounds	



TRANSCIEVER

Waveform	466ER	Analog	BE-CDL A (3, 4, 5, 6)* (1, 2, 3, 4)**	BE-CDL B Modes 101, 102	CDL (2.0, 10.71 Mbps)	DDL	DVB-T	Legacy Digital (455)	Tactical (1.6, 3.2, 6.4 Mbps)	VNW (50 Kbps to 5 Mbps)* (5 Mbps)**
Frequency Band	UHF	Rx	Rx	Rx* / Tx**	Rx/Tx				Rx	Rx*
	L	Rx	Rx	Rx* / Tx**	Rx/Tx	Rx	Rx	Rx	Rx/Tx	Rx*/Tx**
	S	Rx	Rx	Rx* / Tx**	Rx/Tx	Rx	Rx		Rx/Tx	Rx*/Tx**
	C	Rx	Rx	Rx* / Tx**	Rx/Tx	Rx		Rx	Rx	Rx*
	Ku	Rx		Rx* / Tx**	Rx/Tx	Rx			Rx	Rx*
Encryption: AES, Type 1	X		X	X	X	X	X	X	X	X

BANDS

Frequency Band	UHF	L	S	C	Ku
Function	Tx	Rx/Tx*	Rx/Tx	Rx	Rx
Frequency	400 to 470 MHz	1.625 to 1.85 GHz	2.20 to 2.50 GHz	4.40 to 4.94 GHz 5.25 to 5.85 GHz	14.40 to 14.83 GHz 15.15 to 15.35 GHz
Frequency Steps	1.0 kHz	0.5 MHz	0.5 MHz	1.0 MHz	1.0 MHz

*Tx frequency range is 1.71 to 1.85 GHz

ENVIRONMENTAL SPECIFICATIONS

Altitude (Storage)	MIL-STD-810H, Method 500.6, Proc I, 40,000 ft.	Immersion	MIL-STD-810H, Method 512.6, Proc I
Altitude (Operating)	MIL-STD-810H, Method 500.6, Proc II, 20,000 ft.	Vibration (Operating)	MIL-STD-810H, Method 514.8, Proc I
Temperature (Storage)	MIL-STD-810H, Method 501.7, 502.7, Proc I, -40°C to +85°C	Vibration (Non-operating)	MIL-STD-810H, Method 514.8, Proc I, Cat 24
Temperature (Operating)	MIL-STD-810H, Method 501.7, 502.7, Proc II, -20°C to +55°C	Shock (Functional)	MIL-STD-810H, Method 516.8, Proc I, 20g, 11 ms
Temperature Shock	MIL-STD-810H, Method 503.7, Proc 1-C, -40°C to +85°C	Shock (Transit Drop)	MIL-STD-810H, Method 516.8, Proc IV
Rain	MIL-STD-810H, Method 506.6, Proc I	Conducted Emissions	MIL-STD-461G, CE102
Humidity	MIL-STD-810H, Method 507.6, Proc II	Conducted Susceptibility	MIL-STD-461G, CS101, CS114, CS115, CS116
Fungus	MIL-STD-810H, Method 508.8, Annex B	Radiated Emissions	MIL-STD-461G, RE102
Salt Fog	MIL-STD-810H, Method 509.7	Radiated Susceptibility	MIL-STD-461G, RS103
Dust and Sand	MIL-STD-810H, Method 510.7, Proc I, Proc II	Electrostatic Discharge	MIL-STD-461G, CS118, Level 3

VideoScout®-GO

© 2020 L3Harris Technologies, Inc. | 04/2020

This Datasheet consists of L3Harris Technologies general capabilities information that does not contain controlled technical data as defined within the International Traffic in Arms Regulations (ITAR) Part 120.10 or Export Administration Regulations (EAR) Part 734.7-11. Data, including specifications contained within this document are summary in nature and subject to change at any time without notice at L3Harris Technologies' discretion. Call for latest revision. All brand names and product names referenced are registered trademarks, or trade names of their respective holders. Use of U.S. DoD visual information does not imply or constitute DoD endorsement. DoD, OSR approved for public release Case No. 15-S-1187 PN: 700-7600-002

L3Harris Technologies is an agile global aerospace and defense technology innovator, delivering end-to-end solutions that meet customers' mission-critical needs. The company provides advanced defense and commercial technologies across air, land, sea, space and cyber domains.



L3HARRIS™
FAST. FORWARD.

1025 W. NASA Boulevard
Melbourne, FL 32919
t 714 616 4457
VideoScout@L3Harris.com